SCS MOISTURE BARRIER BAG SELECTION GUIDE

Item	Aluminized Moisture Barrier *Dri-Shield® 2000 Series*	High Puncture Aluminized Moisture Barrier *Dri-Shield® 2700 Series*	Cleanliness Tested Aluminized Moisture Barrier *3370 Series*	High Barrier Foil Moisture Barrier *Dri-Shield® 3000 Series*	High Barrier Foil Moisture Barrier *Dri-Shield® 3400 Series*	High Puncture, High Barrier Foil Moisture Barrier *Dri-Shield® 3700 Series*
Image						
Surface Resistance: Exterior (per ANSI/ESD STM11.11)	1 x 10^4 to < 1 x 10^{11} ohms	1 x 10^4 to < 1 x 10^{11} ohms	1 x 10^4 to < 1 x 10^{11} ohms	1 x 10^4 to < 1 x 10^{11} ohms	1 x 10^4 to < 1 x 10^{11} ohms	1 x 10^4 to < 1 x 10^{11} ohms
Surface Resistance: Interior (per ANSI/ESD STM11.11)	1 x 10^4 to < 1 x 10^{11} ohms	1 x 10^4 to < 1 x 10^{11} ohms	1 x 10^4 to < 1 x 10^{11} ohms	1 x 10^4 to < 1 x 10^{11} ohms	1 x 10^4 to < 1 x 10^{11} ohms	1 x 10^4 to < 1 x 10^{11} ohms
ANSI/ESD S11.4 Level	Level 3 (except Transparency)	Level 3 (except Transparency)	Level 3 (except Transparency)	Level 1	Level 1	Level 1
J-STD-033D Compliant	No	No	No	Yes	Yes	Yes
Discharge Shielding Energy Test (per ANSI/ESD STM11.31)	<10nJ	<10nJ	<10nJ	<10nJ	<10nJ	<10nJ
Thickness: Typical Value Nominal: ±10% (per MIL-STD-3010C 1003)	0.0036" (0.0914mm)	0.007" (0.1778mm)	0.0036" (0.0914mm)	0.006" (0.1524mm)	0.004" (0.1016mm)	0.0042" (0.1067mm)
Puncture - Average (per MIL-STD 3010C 2065)	20 lbs	30 lbs	20 lbs	16 lbs	20 lbs	25 lbs
Moisture Barrier MVTR (per ASTM F1249 and MIL-STD-3010C Method 3030)	≤0.035 (gms / 100 in^2 / 24 hrs, 100°F)	≤0.030 (gms / 100 in^2 / 24 hrs, 100°F)	≤0.028 (gms / 100 in^2 / 24 hrs, 100°F)	≤0.0003 (gms / 100 in^2 / 24 hrs, 100°F)	≤0.0003 (gms / 100 in^2 / 24 hrs, 100°F)	≤0.0003 (gms / 100 in^2 / 24 hrs, 100°F)
Non- corrosive (per MIL-STD-3010 Method 3005)	Pass	Pass		Pass	Pass	Pass
Silicone (ASTM E168)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
Outgassing (per DHS)	N/A	N/A	150 µg/cm^2	N/A	N/A	N/A
NVR (per Hexane Extract)	N/A	N/A	7.1 µg/cm^2	N/A	N/A	N/A
IC (Anions) (per IC of DI Water Extract)	N/A	N/A	CL .025 µg/cm^2 NO3 0.16 µg/cm^2 S04 not detected	N/A	N/A	N/A
HEAT SEALING CONDITIONS: **(Temperature)** **(Time- Dwell)** **(Pressure)**	300-400°F 0.6-4.5 sec 30-70 psi	400°F 0.6-4.5 sec 30-70 psi	400°F 0.6-4.5 sec 30-70 psi	400°F 0.6-4.5 sec 30-70 psi	400°F 0.6-4.5 sec 30-70 psi	400°F 0.6-4.5 sec 30-70 psi

Standards: Meets the requirements of ANSI/ESD S20.20, Packaging Standard, ANSI/ESD S541, and Static Control Bag ANSI/ESD S11.4 level as noted in table above.

See Static Control Bag Storage at TB-9011.

RoHS, REACH, and Conflict Minerals Statement
See SCS Static Shielding Bags and Moisture Barrier Bags Regulatory Statement: StaticControl.DescoIndustries.com/PDF/Regulatory_Statement_SCS_Bags.pdf

See the SCS Limited Warranty:
StaticControl.DescoIndustries.com/Limited-Warranty.aspx

Mixed Unsortable Plastic Scrap
Mixed unsortable plastic scrap shall contain assorted plastics of multiple grades that are co-extruded, bonded or laminated together which are unsortable into individual grades.
SCS bags are recyclable

926 JR Industrial Drive, Sanford, NC 27332
East: 919-718-0000 | **West:** 909-627-9634
StaticControl.com